

STN

FILE 'HOME' ENTERED AT 16:45:23 ON 01 MAR 2005

L1 QUE (EPSTEIN-BARR OR EPSTEIN (A) BARR) (A) VIRUS (P) ((INDUC? OR SPECIFIED
) (S) (GENE OR PROTEIN) OR VIRUS-INDUC? OR VIRUS-SPECIF?)

L2 10174 (EPSTEIN-BARR OR EPSTEIN (A) BARR) (A) VIRUS (P) ((INDUC? OR
SPECIFIED) (S) (GENE OR PROTEIN) OR VIRUS-INDUC? OR VIRUS-SPECIF
?)

L3 3207 (EBV-INDUC#### OR EBV-SPECIFIED) OR EBV (A) (INDUC### OR SPECIFI
ED

L5 7182 (L1 OR L2) AND ((EPSTEIN (A) BARR)/TI OR EBV/TI OR EPSTEIN-BARR/
TI)

L8 580 L7 AND ((VIRUS-INDUCED OR VIRUS-SPECIFIED) OR (VIRUS OR EBV OR
EPSTEIN (A) BARR) (3N) (INDUCED OR SPECIFIED OR REGULAT### OR
ACTIVAT###))

L9 148 L7 AND ((VIRUS-INDUCED OR VIRUS-SPECIFIED) OR (VIRUS OR EBV OR
EPSTEIN (A) BARR) (3N) (INDUCED OR SPECIFIED OR REGULAT### OR
ACTIVAT###)) (S) (PROTEIN OR RECEPTOR OR GENE)

L10 124 L9 AND (EBV? OR EPSTEIN-BARR OR EPSTEIN (A) BARR) (S) CELL

L11 47 L9 AND (VIRUS-INDUCED/TI OR VIRUS-SPECIFIED/TI OR INDUCED/TI
OR SPECIFIED/TI OR REGULATED/TI)

(FILE 'HOME' ENTERED AT 16:45:23 ON 01 MAR 2005)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 16:47:31 ON 01 MAR 2005
SEA (EPSTEIN-BARR OR EPSTEIN (A) BARR) (A) VIRUS (P) ((INDUC? O

71 FILE ADISCTI
7 FILE ADISINSIGHT
8* FILE ADISNEWS
9 FILE AGRICOLA
1 FILE ANABSTR
0* FILE ANTE
0* FILE AQUALINE
1 FILE AQUASCI
5 FILE BIOBUSINESS
2* FILE BIOCOMMERCE
91* FILE BIOENG
1784 FILE BIOSIS
279* FILE BIOTECHABS
279* FILE BIOTECHDS
1687* FILE BIOTECHNO
44 FILE CABA
2096 FILE CANCERLIT
1511 FILE CAPLUS
10* FILE CEABA-VTB
3* FILE CIN
46 FILE CONFSCI
34 FILE DDFB
102 FILE DDFU
2697 FILE DGENE
113 FILE DISSABS
34 FILE DRUGB

177 FILE DRUGU
 24 FILE EMBAL
 2160 FILE EMBASE
 1127* FILE ESBIODASE
 78* FILE FEDRIP
 0* FILE FOMAD
 0* FILE FOREGE
 0* FILE FROSTI
 2* FILE FSTA
 65 FILE GENBANK
 3 FILE HEALSAFE
 87 FILE IFIPAT
 2 FILE IMSDRUGNEWS
 6 FILE IMSRESEARCH
 84 FILE JICST-EPLUS
 0* FILE KOSMET
 1293 FILE LIFESCI
 0* FILE MEDICONF
 1607 FILE MEDLINE
 3 FILE NIOSHTIC
 8* FILE NTIS
 0* FILE NUTRACEUT
 888* FILE PASCAL
 1 FILE PHAR
 0* FILE PHARMAML
 2 FILE PHIN
 48 FILE PROMT
 1 FILE PROUSDDR
 1 FILE RDISCLOSURE
 1819 FILE SCISEARCH
 790 FILE TOXCENTER
 829 FILE USPATFULL
 55 FILE USPAT2
 2 FILE VETU
 0* FILE WATER
 131 FILE WPIDS
 131 FILE WPINDEX

L1 QUE (EPSTEIN-BARR OR EPSTEIN (A) BARR) (A) VIRUS (P) ((INDUC? O

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, LIFESCI' ENTERED AT
 16:54:37 ON 01 MAR 2005

L2 10174 S (EPSTEIN-BARR OR EPSTEIN (A) BARR) (A) VIRUS (P) ((INDUC? OR
 L3 3207 S (EBV-INDUC#### OR EBV-SPECIFIED) OR EBV (A) (INDUC### OR SPEC
 L4 10174 S (L1 OR L2) AND (EPSTEIN (A) BARR (S) VIRUS)
 L5 7182 S (L1 OR L2) AND ((EPSTEIN (A) BARR)/TI OR EBV/TI OR EPSTEIN-BA
 L6 2270 DUP REM L5 (4912 DUPLICATES REMOVED)
 L7 1032 S L6 AND PY<1993
 L8 580 S L7 AND ((VIRUS-INDUCED OR VIRUS-SPECIFIED) OR (VIRUS OR EBV
 L9 148 S L7 AND ((VIRUS-INDUCED OR VIRUS-SPECIFIED) OR (VIRUS OR EBV
 L10 124 S L9 AND (EBV? OR EPSTEIN-BARR OR EPSTEIN (A) BARR) (S) CELL
 L11 47 S L9 AND (VIRUS-INDUCED/TI OR VIRUS-SPECIFIED/TI OR INDUCED/TI

((VIRUS-INDUCED OR VIRUS-SPECIFIED) OR (VIRUS OR EBV OR
EPSTEIN (A) BARR) (3N) (INDUCED OR SPECIFIED OR REGULAT###

L11 ANSWER 7 OF 47 MEDLINE on STN
AN 87214791 MEDLINE
DN PubMed ID: 3034370
TI The prevalence of antibodies to an **Epstein-Barr virus-induced** polypeptide (EBNA-2) in the sera of rheumatoid arthritic families.
AU Hazelton R A; Sculley T B; Pope J H
SO British journal of rheumatology, (1987 Jun) 26 (3) 193-6.
Journal code: 8302415. ISSN: 0263-7103.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198706
ED Entered STN: 19900303
Last Updated on STN: 19900303
Entered Medline: 19870629
AB Using the **protein** immunoblot technique, antibodies to an **Epstein-Barr virus-induced** 92 kD polypeptide (EBNA-2) were more frequently present in the sera of patients with rheumatoid arthritis and their consanguineous relatives when compared with a control group. No association of anti-EBNA-2 antibody with the HLA-DR antigens was observed.

L11 ANSWER 8

L11 ANSWER 10 OF 47 MEDLINE on STN
AN 85209798 MEDLINE
DN PubMed ID: 2582083
TI Identification of **Epstein-Barr virus-induced** polypeptides in P3HR-1 cells by **protein** immunoblot.
AU Sculley T B; Sculley D G; Pope J H
SO Journal of general virology, (1985 May) 66 (Pt 5) 1113-22.
Journal code: 0077340. ISSN: 0022-1317.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198507
ED Entered STN: 19900320
Last Updated on STN: 19990129
Entered Medline: 19850705
AB The **protein** immunoblot technique was used to identify **Epstein-Barr virus-specific** antigens present in sodium butyrate-induced P3HR-1 cells. Using sera from patients with either nasopharyngeal carcinoma or arthritis, 16 polypeptides were detected ranging in molecular weight from 22K to 140K. Each of the anti-EA-, anti-VCA-positive sera were found to contain antibodies to different subsets of the antigens. A 72K protein was identified which was consistent with the nuclear antigen (EBNA), and culturing cells in the presence of disodium phosphonoacetate allowed identification of 140K and 22K antigens as late viral products. Treatment of cells with sodium butyrate revealed that expression of some antigens increased in parallel with the time of incubation of the cells in butyrate while other antigens either appeared early and then decreased in intensity or were only present after a number of days of butyrate treatment. One of the antigens which decreased with the time cells were treated with

butyrate was EBNA.

- L11 ANSWER 11 OF 47 MEDLINE on STN
AN 84263215 MEDLINE
DN PubMed ID: 6086504
TI Variation in expression of mouse erythrocyte **receptors** on **Epstein-Barr virus-induced** B-cell lines.
AU Youinou P Y; Walker P R; Irving W L; Lydyard P M
SO Immunology letters, (1984) 8 (1) 27-32.
Journal code: 7910006. ISSN: 0165-2478.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198409
ED Entered STN: 19900320
Last Updated on STN: 19900320
Entered Medline: 19840917
AB To explain the variation in the percentage of mouse erythrocyte rosette-forming cells (MERFC) during culture of **Epstein-Barr virus (EBV)-induced** B-cell lines, we provide evidence that (i) there is an altered expression of mouse red blood cell (MRBC) **receptors** on cell line cells during the mitotic cycle, and (ii) putative **receptor**-negative cells are capable of de novo synthesis of the **receptor**, and passively adsorbing **receptor** shed from **receptor**-positive cells.
- L11 ANSWER 12 OF 47 MEDLINE on STN
AN 84174062 MEDLINE
DN PubMed ID: 6324457
TI Production of monoclonal antibody to a late intracellular **Epstein-Barr virus-induced** antigen.
AU Kishishita M; Luka J; Vroman B; Poduslo J F; Pearson G R
NC CA 20679 (NCI)
SO Virology, (1984 Mar) 133 (2) 363-75.
Journal code: 0110674. ISSN: 0042-6822.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198405
ED Entered STN: 19900319
Last Updated on STN: 19980206
Entered Medline: 19840518
AB A monoclonal antibody designated L2 was produced against a late intracellular **protein induced by Epstein-Barr virus (EBV)**. This protein was expressed in cells producing virus but not in EBV genome-positive nonproducer cell lines, EBV genome-negative cell lines, or producer cultures cultivated in the presence of phosphonoacetic acid as determined by immunofluorescence. In addition, the antibody did not react with the membranes of infected cells indicating that it was not directed against an EBV-induced membrane antigen component. The monoclonal antibody was shown to recognize a glycoprotein with a molecular weight of approximately 125K by SDS-polyacrylamide gel electrophoresis. This glycoprotein was consistently found to be slightly larger when isolated from the P3HR-1 cell line as opposed to the B-95-8 cell line. A similar difference was also noted by comparison of peptide maps of this protein isolated by immunoaffinity chromatography from the two cell lines. Serological studies indicated that this 125K glycoprotein was a major component of the

viral capsid-antigen (VCA) complex as defined by immunofluorescence.

15 OF 47 MEDLINE on STN
AN 83012388 MEDLINE
DN PubMed ID: 6289060
TI **Epstein-Barr virus induced proteins** V: comparison of **EBV**-specific polypeptides from different virus strains.
AU Georg-Fries B; Mueller-Lantzsch N
SO Medical microbiology and immunology, (1982) 171 (1) 11-21.
Journal code: 0314524. ISSN: 0300-8584.
CY GERMANY, WEST: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198212
ED Entered STN: 19900317
Last Updated on STN: 19980206
Entered Medline: 19821202
AB EBV-associated polypeptides induced in different Epstein-Barr Virus (EBV)-producing cell lines by the tumor promotor TPA, and from purified EBV particles derived from the same lines were radioactivity labeled and analyzed by immunoprecipitation with human VCA+MA+ sera. In virus-producing cells no significant differences in the molecular weight of 35S-methionine-labeled EBV-associated polypeptide patterns could be observed. The analysis 125I-labeled polypeptides from purified virus particles of four different strains revealed that, in addition to common polypeptides, individual EBV strains contain strain-specific high molecular weight glycopolypeptides. These polypeptides, constituting part of the membrane antigen complex, are present in varying amounts. While P3HR-1 virus particles contain a major component of 250 000 and small amounts of 340 000 molecular weight polypeptides, Q IMR-WIL virus particles have more 340 00 than 240 000 molecular weight polypeptides. Furthermore, in B95-8 particles and in particles from an EBV strain isolated from an African green monkey (AGM-EBV) respectively, large amounts of 360 000 and 250 000 polypeptides could be observed. Since these glycopolypeptides carry strain-, subgroup- and group-specific antigenic determinants, also found in virus strains produced in human and marmoset cells, it should be further investigated whether these differences in molecular weight are virus-strain- or cell-specific.

L11 ANSWER 17 OF 47 MEDLINE on STN
AN 82054725 MEDLINE
DN PubMed ID: 6271909
TI The **regulated** expression of **Epstein-Barr virus**. III. **Proteins specified by EBV** during the lytic cycle.
AU Bayliss G J; Wolf H
SO Journal of general virology, (1981 Sep) 56 (Pt 1) 105-18.
Journal code: 0077340. ISSN: 0022-1317.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198201
ED Entered STN: 19900316
Last Updated on STN: 19900316
Entered Medline: 19820120
AB The experiments show that 30 **virus-induced** or **virus-specified proteins** were synthesized in

Raji cells after superinfection with **Epstein-Barr virus** (EBV) derived from P3HR1 cells. Using a combination of pulse labelling, application of cycloheximide blocks at different times post-infection, treatment with amino acid analogues and inhibition of DNA synthesis it was shown that three groups of proteins appear in Raji cells after superinfection; the synthesis of the proteins in any one group appears to be coordinately regulated. Amongst the six **virus-induced proteins** which were synthesized immediately after release from an early cycloheximide block one would expect to find those **proteins** essential for the transition from EBNA to EA synthesis. Using human sera with differing specificities for the various antigen groups 11 **proteins** were identified as being specifically precipitated by sera having high titres against the **EBV-induced** early antigen complex.

L11 ANSWER 20 OF 47 MEDLINE on STN

AN 80170704 MEDLINE

DN PubMed ID: 6154378

TI **Epstein-Barr virus-induced**

proteins. II. Analysis of surface polypeptides from **EBV**-producing and -superinfected cells by immunoprecipitation.

AU Mueller-Lantzsch N; Georg B; Yamamoto N; zur Hausen H

SO Virology, (1980 Apr 30) 102 (2) 401-11.

Journal code: 0110674. ISSN: 0042-6822.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 198006

ED Entered STN: 19900315

Last Updated on STN: 19900315

Entered Medline: 19800625

L11 ANSWER 21 OF 47 MEDLINE on STN

AN 80170682 MEDLINE

DN PubMed ID: 6245505

TI **Epstein-Barr virus-induced**

proteins. III. Analysis of polypeptides from P3HR-1-**EBV**-superinfected NC37 cells by immunoprecipitation.

AU Mueller-Lantzsch N; Georg B; Yamamoto N; zur Hausen H

SO Virology, (1980 Apr 15) 102 (1) 231-3.

Journal code: 0110674. ISSN: 0042-6822.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 198006

ED Entered STN: 19900315

Last Updated on STN: 19900315

Entered Medline: 19800616

L11 ANSWER 22 OF 47 MEDLINE on STN

AN 79238644 MEDLINE

DN PubMed ID: 89099

TI **Epstein-Barr virus-induced**

membrane antigens: immunochemical characterization of Triton X-100 solubilized viral membrane antigens from **EBV**-superinfected Raji cells.

AU Qualtiere L F; Pearson G R

SO International journal of cancer. Journal international du cancer,

(1979 Jun 15) 23 (6) 808-17.

Journal code: 0042124. ISSN: 0020-7136.

CY Denmark

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 197910

ED Entered STN: 19900315

Last Updated on STN: 19900315

Entered Medline: 19791017

AB In an attempt to qualitatively identify the membrane antigen (MA) complex induced by **Epstein-Barr virus** (EBV) infection of lymphoblastoid cells, superinfected Raji cells were surface labelled with ¹²⁵I by the lactoperoxidase method and solubilized with Triton X-100, then the ¹²⁵I-labelled membrane **proteins** were precipitated by sera containing high antibody titers to MA. Analysis of these immune precipitates on sodium dodecyl sulfate polyacrylamide gel electrophoresis identified four major EBV-specific membrane proteins with molecular weights (mol. wt) of 280,000, 250,000, 170,000 and 90,000. Sera from patients with Burkitt's lymphoma (BL), nasopharyngeal carcinoma (NPC) and infectious mononucleosis (IM) and from EBV-infected disease-free individuals showed differential patterns of reactivity to these antigens with some sera only recognizing three or less of the antigens. The results from investigations with these sera also indicated that these major **proteins** were not related to **EBV-induced** viral capsid antigens (VCA) or the virus-associated early antigen (EA) complexes as defined by immunofluorescence. Metabolic labelling of EBV-infected Raji cells with [¹⁴C]glucosamine, followed by Triton X-100 solubilization and radioimmune precipitation, identified the 280,000, 250,000 and 90,000 components as glycoproteins. The lactoperoxidase-labelled 170,000 molecular weight component was not significantly glycosylated and, therefore, could not be categorized as a glycoprotein on the basis of this study. In addition, a glycoprotein with a mol. wt of 130,000 was identified by this approach which also appeared to be specified by EBV. The results from these investigations, therefore, indicated that the **EBV-induced** MA complex was composed of four major glycoproteins and one nonglycosylated high mol. wt **protein**.

L11 ANSWER 24 OF 47 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1994:104348 CAPLUS

DN 120:104348

TI Analysis of human T cell responses to **Epstein-Barr virus-induced** replication **proteins**

AU Varghese, Susan

CS Med. Cent., Georgetown Univ., Washington, DC, USA

SO (1992) 281 pp. Avail.: Univ. Microfilms Int., Order No. DA9236641

From: Diss. Abstr. Int. B 1993, 53(7), 3394

DT Dissertation

LA English

AB Unavailable

L11 ANSWER 26 OF 47 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:438326 CAPLUS

DN 113:38326

TI **Protein** kinase activity associated with an **Epstein-Barr virus-induced** early antigen

AU Kocache, Malda Mahmoud

CS Georgetown Univ., Washington, DC, USA

SO (1989) 189 pp. Avail.: Univ. Microfilms Int., Order No.
DA9006752

From: Diss. Abstr. Int. B 1990, 50(10), 4367

DT Dissertation

LA English

AB Unavailable

L11 ANSWER 27 OF 47 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1985:40774 CAPLUS

DN 102:40774

TI Mapping of **genes** involved in **Epstein-Barr virus (EBV)-induced** lymphocyte transformation

AU Volsky, D. J.; Gross, T.; Volsky, B.; Bartzatt, R.; Kuszynski, C.; Sinangil, F.

CS Med. Cent., Univ. Nebraska, Omaha, NE, 68105, USA

SO UCLA Symposia on Molecular and Cellular Biology, New Series (1984), 17(Genes Cancer), 293-302

CODEN: USMBD6; ISSN: 0735-9543

DT Journal

LA English

AB Purified EBV DNA (B-95-8 strain) and cloned DNA fragments were trapped in Sendai virus envelopes during envelope reconstitution. The fusogenic DNA-loaded envelopes (RSVE/DNA) served as gene transfer vehicles for mapping the EBV genome in fresh human lymphocytes (HL). EBV DNA induced EBV-determined nuclear antigen (EBNA) in 0.2-1% of HL, transiently stimulated cellular DNA synthesis, but did not fully transform cells. HL were transformed after coinfection with viral DNA and UV-inactivated B-95-8 EBV. Cloned Sall F1 (9 kilobase pairs (kbp)) and a smaller BamHI K (5.2 kbp) fragment from the same region of EBV DNA induced EBNA in 0.2-4% of HL but did not stimulate cellular DNA synthesis nor transform cells. Cloned BamHI D1 fragment (9 kbp) from AG876 virus DNA stimulated cellular DNA synthesis but did not induce EBNA. EA and VCA were not observed with any of the DNA fragments tested. Apparently, induction of EBNA alone is not sufficient for achieving transformation of human lymphocytes.

L11 ANSWER 44 OF 47 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN

AN 81:535220 SCISEARCH

GA The Genuine Article (R) Number: MP021

TI **EPSTEIN-BARR VIRUS-INDUCED PROTEINS** .4. CHARACTERIZATION OF AN **EBV**-ASSOCIATED PHOSPHOPOLYPEPTIDE

AU MUELLERLANTZSCH N (Reprint); YAMAMOTO N

CS UNIV FREIBURG, INST VIROL, ZENTRUM HYG, D-7800 FREIBURG, FED REP GER

CYA FEDERAL REPUBLIC OF GERMANY

SO JOURNAL OF GENERAL VIROLOGY, (1981) Vol. 55, No. AUG, pp. 333-341.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 29

L11 ANSWER 45 OF 47 LIFESCI COPYRIGHT 2005 CSA on STN

AN 87:17037 LIFESCI

TI Characterization of the **Epstein-Barr virus-induced** early polypeptide complex p50/58 EA-D using rabbit antisera, a monoclonal antibody, and human antibodies.

AU Doelken, G.; Hecht, T.; Roedel, D.; Hirsch, F.W.

CS City of Hope Natl. Med. Cent., Dep. Hematol. and Bone Marrow Transplant., 1500 E. Duarte Rd., Duarte, CA 91010, USA

SO VIROLOGY., (1987) vol. 157, no. 2, pp. 460-471.

DT Journal

FS V

LA English

SL English

AB A polypeptide complex (p52) belonging to the D-subspecificity of the **EBV-induced** early antigens (EA-D) was purified from chemically induced P3HR-1 cells. Rabbit antisera raised against the isolated polypeptides reacted with components of EA-D as could be shown by indirect immunofluorescence and immunoperoxidase staining of IdU-induced EA positive Raji cells, ELISA, and immunoblotting. In one-dimensional immunoblots the rabbit antisera detected a predominant polypeptide complex of 52 kDa. Two-dimensional immunoblots prepared with **proteins** from IdU-induced Raji cells showed that the rabbit sera detect three series of polypeptides of 52 kDa (p/8.5-6.2), 55-58 kDa (p/6.2-4.5), and 48-50 kDa (p/6.0-4.5). These three groups of polypeptides could also be identified by 50 high titered anti-EA-D positive human sera and a specific monoclonal antibody (R3) as being the main components of EA-D in Raji and B95-8 cells.

L11 ANSWER 46 OF 47 LIFESCI COPYRIGHT 2005 CSA on STN

AN 83:77290 LIFESCI

TI Purification of a **protein** (60K/58K) associated with the **Epstein-Barr virus-induced** early antigen complex in Raji cells.

AU Doelken, G.; Lange, W.; Weitzmann, U.; Hirsch, F.W.; Loehr, G.W.

CS Abt. Haematol. und Onkol., Med. Universitaetsklin., Freiburg, Hugstetter-Str. 55, D-7800 Freiburg, FRG

SO INT. J. CANCER., (1983) vol. 32, no. 3, pp. 307-314.

DT Journal

FS V; F; L

LA English

SL English

AB A double antibody sandwich ELISA has been established for the detection and quantification of EBV-associated early antigens (EA) in IUdR-induced Raji cells. The EA complex extracted from Raji cells could be separated by ion exchange chromatography and isoelectric focusing into several components. One EA-associated subspecificity has been purified by DEAE-, CM-, and Blue-Sepharose chromatography followed by isoelectric focusing. The isolated protein has an apparent molecular weight of 240,000 plus or minus 20,000 daltons under non-dissociating conditions on Sepharacyl S-300, an isoelectric point of 4.5, and seems to be composed of two polypeptides of 60,000 and 58,000 daltons as shown by SDS-gel electrophoresis and two-dimensional gel electrophoresis. The EA activity of the isolated protein has been confirmed by the double antibody sandwich ELISA and its reactivity with anti-EA-positive sera in an ELISA for the detection of anti-EA antibodies.

WEST Search History

DATE: Tuesday, March 01, 2005

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L21	l20 and l12	42
<input type="checkbox"/>	L20	19921125	108
<input type="checkbox"/>	L19	19921125	1
<input type="checkbox"/>	L18	L13 and (binding adj fragment or binding-fragment) same antibod\$4	1137
<input type="checkbox"/>	L17	L14 and (binding adj fragment or binding-fragment) same antibod\$4	1
<input type="checkbox"/>	L16	19921125	2
<input type="checkbox"/>	L15	l13 and (affinity adj label) same (avidin or biotin)	353
<input type="checkbox"/>	L14	19921125	9
<input type="checkbox"/>	L13	l11 and L12	2628
<input type="checkbox"/>	L12	(antibod\$3 or immunoglob\$4) same label and label with (peroxidase or biotin or rhodamine)	15241
<input type="checkbox"/>	L11	(antibod\$3 or immunoglob\$4) same label and (peroxidase same biotin same rhodamine)	3446
<input type="checkbox"/>	L10	(antibod\$3 or immunoglob\$4) same label and (peroxidase or biotin or rhodamine)	24929
<input type="checkbox"/>	L9	(epstein adj barr adj3 \$induced or epstein-barr-induced)	208
<input type="checkbox"/>	L8	L7 not l4	8
<input type="checkbox"/>	L7	L6 and l1	26
<input type="checkbox"/>	L6	(epstein adj barr adj3 induced or epstein-barr-induced)	208
<input type="checkbox"/>	L5	(epstein adj barr adj induced or epstein-barr-induced)	5
<input type="checkbox"/>	L4	((lymphoid-specific or lymphoid adj specific) with (G-protein-coupled or (G-protein or g adj protein) adj coupled) adj receptor) or (EBI1 or EBI-1) and epstein adj barr or epstein adj barr adj induced or epstein-barr-induced	43
<input type="checkbox"/>	L3	1995	23
<input type="checkbox"/>	L2	L1 and (antibod\$ or immunoglob\$)	791
<input type="checkbox"/>	L1	(lymphoid-adj specific with (G-protein-coupled or (G-protein or g adj protein) adj coupled) adj receptor) or (EBI1 or EBI-1) and epstein adj barr or epstein adj barr adj induced or epstein-barr-induced	981

END OF SEARCH HISTORY